1	Meiosis is involved in producing gametes such as sperm cells and egg cells.		
	(a) Describe three structural differences between a human sperm cell and a human egg cell.		
		(3)	
1			
2			
3			
	(b) When a sperm cell reaches an egg cell, enzymes are released from the head of the		
	sperm. Explain the reasons for the release of these enzymes.		
		(2)	

	(c) Describe what happens in the egg cell once the sperm cell nucleus has entered it.		(0)
			(2)
	(d) In p	lants, a double fertilisation occurs.	
	(i)	One fertilisation involves a male gamete nucleus fusing with the egg cell	
		nucleus. Give two functions of this fertilisation.	(2)
			(2)
1 .			
2			
Ζ.			
	(ii)	In the second fertilisation, the other male gamete nucleus fuses with two	
		polar nuclei forming a triploid structure. Name the triploid structure formed.	(1)
			(- /
	(Total for Question 1 = 10 marks)		